

App. No. 10/811,234
Amendment Dated: September 15, 2006
Reply to Office Action of June 27, 2006

Amendments to the Claims:

1 - 27 (Cancelled)

28 (New): A computer-implemented method for formulaically bounding an application cell to a range of values, the method comprising:

associating a bounding formula with an application cell, wherein the bounding formula includes a range of permitted values;

receiving a value associated with the application cell;

determining whether the received value is within the range of permitted values of the bounding formula;

permitting the received value when the received value is within the range of permitted values of the bounding formula; and

automatically changing the received value to a value within the range of permitted values of the bounding formula when the received value is outside the range of permitted values of the bounding formula.

29 (New): The computer-implemented method of claim 28, wherein the application cell includes at least one member of a group comprising: a spreadsheet application cell and a drawing application cell.

30 (New): The computer-implemented method of claim 28, wherein the bounding formula includes at least one member of a group comprising: a type argument, a bound maximum argument, and a bound minimum argument.

31 (New): The computer-implemented method of claim 28, wherein the range of permitted values includes at least one member of a group comprising: a range of permitted values associated with an inclusive bound type argument, and a range of permitted values associated with an exclusive bound type argument.

App. No. 10/811,234
Amendment Dated: September 15, 2006
Reply to Office Action of June 27, 2006

32 (New): The computer-implemented method of claim 28, wherein the received value is associated with at least one member of a group of members comprising: a user input value and a value resulting from a formulaic computation associated with the application cell.

33 (New): The computer-implemented method of claim 28, wherein the bounding formula includes a disable argument for disabling the bounding formula when the disable argument is designated.

34 (New): The computer-implemented method of claim 28, wherein automatically changing the received value to a value within the range of permitted values includes automatically changing the received value to a value within the range of values that is closest to the received value.

35 (New): The system of claim 28, wherein the bounding formula includes a value argument.

36 (New): The computer-implemented method of claim 28, wherein the range of values of the bounding formula is an inclusive range of values, wherein the received value is not within the inclusive range of values, wherein automatically changing the received value further includes:

determining a value within the inclusive range of values that is closest to the received value, and

automatically changing the received value to the value within the inclusive range of values that is closest to the received value.

37 (New): The computer-implemented method of claim 28, wherein the bounding formula includes an exclusive type argument, wherein the range of permitted values includes values outside a defined range of values associated with the exclusive type argument, wherein

App. No. 10/811,234
Amendment Dated: September 15, 2006
Reply to Office Action of June 27, 2006

the received value is within the defined range of values associated with the exclusive type argument, wherein automatically changing the received value further includes:

determining a value within the range of permitted values that is closest to the received value, and

automatically changing the received value to the value within the range of permitted values that is closest to the received value.

38 (New): A computer-readable medium having computer-executable instructions for providing an object bounding formula for automatically changing a received object value to conform to a range of permitted values associated with the object bounding formula, the instructions comprising:

binding an object with the object bounding formula, wherein the object bounding formula includes a range of permitted values, wherein the object is bound by the range of permitted values;

receiving a value associated with the object;

determining whether the value is within the range of permitted values of the object bounding formula;

permitting the received value when the received value is within the range of permitted values of the object bounding formula; and

automatically changing the received value to a closest value within the range of permitted values when the received value is outside the range of permitted values.

39 (New): The computer-readable medium of claim 38, wherein the object includes at least one member of a group comprising: a spreadsheet object and a drawing object.

40 (New): The computer-readable medium of claim 38, wherein the object bounding formula includes at least one member of a group comprising: a type argument, a bound maximum argument, and a bound minimum argument.

App. No. 10/811,234
Amendment Dated: September 15, 2006
Reply to Office Action of June 27, 2006

41 (New): The computer-implemented method of claim 38, wherein the range of permitted values includes at least one member of a group comprising: a range of permitted values associated with an inclusive bound type argument, and a range of permitted values associated with an exclusive bound type argument.

42 (New): The computer-implemented method of claim 38, wherein the received value is associated with at least one member of a group of members comprising: a user input value and a value resulting from a formulaic computation associated with the application cell.

43 (New): The computer-implemented method of claim 38, wherein the bounding formula includes a disable argument for disabling the bounding formula when the disable argument is designated.

44 (New): The system of claim 38, wherein the bounding formula includes a value argument.

45 (New): The computer-readable medium of claim 38, wherein the range of values of the object bounding formula is an inclusive range of values, wherein the received value is not within the inclusive range of values, wherein automatically changing the received value further includes:

determining a value within the inclusive range of values that is closest to the received value, and

automatically changing the received value to the value within the inclusive range of values that is closest to the received value.

46 (New): The computer-readable medium of claim 38, wherein the object bounding formula includes an exclusive type argument, wherein the range of permitted values includes values outside a range of values associated with the exclusive type argument, wherein the

App. No. 10/811,234
Amendment Dated: September 15, 2006
Reply to Office Action of June 27, 2006

received value is within the range of values associated with the exclusive type argument, wherein automatically changing the received value further includes:

determining a value within the range of permitted values that is closest to the received value, and

automatically changing the received value to a value within the range of permitted values that is closest to the received value.

47 (New): A computing system for formulaically bounding a cell in a spreadsheet, the system comprising:

a processor;

a memory having computer-executable instructions associated therewith, wherein the computer-executable instructions are configured to:

provide a spreadsheet cell for receiving a value;

bind the spreadsheet cell with a cell bounding formula, wherein the cell bounding formula includes a range of values associated with a bounding class;

receive a value associated with the spreadsheet cell;

apply the received value to the cell bounding formula to determine whether the received value is associated with the range of values associated with the bounding class;

automatically permit the received value when the received value is associated with the range of values associated with the bounding class; and

automatically change the value to a closest value of the range of values associated with the bounding class when the received value is not associated with the range of values associated with the bounding class.

48 (New): The system of claim 47, wherein the bounding formula includes at least one member of a group comprising: a type argument, a bound maximum argument, and a bound minimum argument.

App. No. 10/811,234
Amendment Dated: September 15, 2006
Reply to Office Action of June 27, 2006

49 (New): The system of claim 47, wherein the bounding class includes at least one member comprising: an inclusive bounding class and an exclusive bounding class.

50 (New): The system of claim 47, wherein the received value is associated with at least one member of a group of members comprising: a user input value and a value resulting from a formulaic computation associated with the spreadsheet cell.

51 (New): The computer-implemented method of claim 47, wherein the bounding formula includes a disable argument for disabling the bounding formula when the disable argument is designated.

52 (New): The system of claim 47, wherein the bounding formula includes a value argument.

53 (New): The system of claim 47, wherein the range of values of the bounding formula is associated with an inclusive bounding class, wherein the received value is not within the inclusive bounding class, wherein automatically changing the received value further includes:

determining a value within the inclusive bounding class that is closest to the received value, and

automatically changing the received value to the value within the inclusive bounding class that is closest to the received value.

54 (New): The system of claim 47, wherein the bounding formula includes an exclusive bounding class, wherein the range of permitted values includes values outside the exclusive bounding class, wherein the received value is within the exclusive bounding class, wherein automatically changing the received value further includes:

determining a value within the range of permitted values that is closest to the received value, and

App. No. 10/811,234
Amendment Dated: September 15, 2006
Reply to Office Action of June 27, 2006

automatically changing the received value to the value within the range of permitted values that is closest to the received value.